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NOTICE OF ALLOWANCE AND FEE(S) DUE

23368 7590 10/31/2008

DINSMORE & SHOHL LLP ONE DAYTON CENTRE, ONE SOUTH MAIN STREET

SUITE 1300

DAYTON, OH 45402-2023

EXAMINER ROZANSKI, MICHAEL T

ART UNIT PAPER NUMBER

3768 DATE MAILED: 10/31/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/501,819	10/27/2004	Sunita Chauhan	NAY 0005 PA	5096			
TITLE OF INVENTION: ULTRASONIC TREATMENT OF BREAST CANCER							

 APPLN. TYPE
 SMALL ENTITY
 ISSUE FEE DUE
 PUBLICATION FEE DUE
 PREV. PAID ISSUE FEE
 TOTAL FEES) DUE
 DATE DUE

 nonprovisional
 YES
 \$755
 \$300
 \$0
 \$1055
 02/02/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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DAYTON, OH 4	15402-2023									(Depositor's name)
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APPLICATION NO.	FILING DATE			FIRST NAMED INVENTO	OR		ATTO	RNEY DOCKET NO.	CONFIRM	ATION NO.
10/501,819	10/27/2004			Sunita Chauhan			1	NAY 0005 PA	50	096
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APPLN, TYPE	SMALL ENTITY	ISSUE	FEE DUE	PUBLICATION FEE DUI	E I	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DA	TE DUE
nonprovisional	YES	S	755	\$300		\$0		\$1055	02/	02/2009
EXAM	INER	ART	UNIT	CLASS-SUBCLASS	٦					
ROZANSKI, I	MICHAEL T	3	768	600-439000						
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach	nge of Corr "Indication ed. Use of:	espondence form a Customer		to 3 ative ngle or ag ttorn be pr	registered patent ly, firm (having as a ent) and the name eet) or agents. If n rinted.	attorn membe s of up o nam	era 2oto e is 3		
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Authorized Signature						Date				
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23368 75	90 10/31/2008	08 EXAMINER					
DINSMORE & S	HOHL LLP	ROZANSKI, MICHAEL T					
	ENTRE, ONE SOUTH	ART UNIT	PAPER NUMBER				
SUITE 1300 DAYTON, OH 454	102-2023	3768					

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 272 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 272 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Application No. Applicant(s) 10/501 819 CHAUHAN ET AL. Notice of Allowability Examiner Art Unit MICHAEL ROZANSKI 3768 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to RCE filed 8/21/08. The allowed claim(s) is/are 1-7,9-12,14-23 and 27-34. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. X Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. T Examiner's Statement of Reasons for Allowance of Biological Material Other .

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James Beyer on 10/21/08. Applicant agreed to amend the claims for clarification purposes and to correct minor informalities.

The application has been amended as follows:

- Please amend claim 1 as follows:
- A method for [use] <u>manipulating treatment probes</u> during ultrasonic treatment of a cancer in subject tissue, comprising:

supporting a plurality of ultrasonic treatment probes with a jig assembly that comprises

a central shaft extending along an axis,

a plurality of collars coaxially mounted about said axis on said central shaft, and each of said collars independently rotatable about said axis, and

a plurality of adjustable supports each attached to one of said collars, wherein each one of said plurality of ultrasonic treatment probes is [mounted on] received by one of said supports, and said collars are positioned about said axis and said adjustable supports are adjusted, to focus said plurality of ultrasonic treatment probes onto a con-

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focal region of a target tumour of said subject tissue; and

robotically manipulating said plurality of ultrasonic treatment probes, by moving said central shaft, to [sight] <u>focus said treatment probes onto</u> said con-focal region on at least a portion of [a] <u>said</u> target tumour whose site is determined by <u>an</u> ultrasound identification probe.

- 2. In claim 4, line 2, replace "an" with the term --said--.
- 3. In claim 14, line 14, replace "mounted on" with --received by--.
- 4. Please amend claim 27 as follows:
- 27. A method for [use] <u>manipulating treatment probes</u> during ultrasonic treatment of a cancer in subject tissue, comprising:

supporting a plurality of ultrasonic treatment probes with a jig assembly that comprises

a support member defining an axis,

a plurality of collars coaxially mounted about said axis on said support member and each of said plurality of collars is rotatable about said axis, and

at least one arced arm attached to each of said plurality of collars, each said at least one arced arm supporting at least one of said plurality of ultrasonic treatment probes.

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wherein said plurality of ultrasonic treatment probes are [mounted on] received by said at least one arced arm to be focused onto a con-focal region of a target tumour of said subject tissue, said con-focal region remaining intersected by said axis as said plurality of collars is rotated about said axis; and robotically manipulating said plurality of ultrasonic treatment probes, to [sight] focus said treatment probes onto said con-focal region on at least a portion of [a] said target tumour whose site is determined by an ultrasound identification probe.

- 5. In claim 28, line 15, replace "mounted on" with --received by--.
- 6. In claim 29, line 2, replace "arms" with --supports--.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL ROZANSKI whose telephone number is (571)272-1648. The examiner can normally be reached on Monday - Friday, 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 571-272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Eric F Winakur/ Primary Examiner, Art Unit 3768

MR